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**Virolainen et al.**(10) **Pub. No.: US 2014/0242959 A1**(43) **Pub. Date: Aug. 28, 2014**(54) **METHOD AND APPARATUS FOR VOICE  
CONFERENCING**(71) Applicant: **NOKIA CORPORATION**, Espoo (FI)(72) Inventors: **Jussi Virolainen**, Espoo (FI); **Ville  
Myllyla**, Tampere (FI)(73) Assignee: **NOKIA CORPORATION**, Espoo (FI)(21) Appl. No.: **13/779,223**(22) Filed: **Feb. 27, 2013****Publication Classification**(51) **Int. Cl.**  
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(57)

**ABSTRACT**

A method, apparatus computer program product provide acoustical echo control for distributed voice conferencing including distributed voice conferencing that utilizes spatial audio processing. In the context of a method, a reference signal and one or more other reference signals may be received by a mobile terminal. The reference signal is associated with downlink audio to be reproduced by the mobile terminal and the one or more other reference signals are associated with downlink audio to be reproduced by one or more other mobile terminals. The method also includes processing an echo signal from uplink audio due to the downlink audio reproduced by the audio transducer of the mobile terminal based upon the reference signal. The method also processes an echo signal from uplink audio due to the downlink audio reproduced by respective audio transducers of the one or more other mobile terminals based upon the one or more other reference signals.

